

Education Connection



Connecting people with the environment



September, 2008
EI-456 9/2008

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and selecting a specific program Web page.

Air Quality

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Acid Rain Revisited: Creating the Right Atmosphere	CE7047
Air Defenders: The Quest for Clean Air (Grades 4-7)	CE7029
⊕ Air Quality in Wisconsin	AM320
Air Quality Index Bookmark	EI7049
⊕ Air Repair: Easy Air Care Tips for Everyone	AM358
Asthma in the Air (Video) (Grades 2-6)	CE268
⊕ Auto Log	CE271
⊕ Clean Air, Healthy Children (PreK-2 Activity Book)	CE454
⊕ Clean Air, Healthy Children (Spanish)	CE7026
Climate Change in Wisconsin: An Activity Guide (Grades 7-12) (Coming 1/09)	EI7051
⊕ The Green(er) Machine	CE053
How Lungs Work (Poster)	CE7023
How Lungs Work (Poster-Spanish)	CE7025
⊕ Ozone and Your Health	AM318
⊕ Ozone and Your Health (Spanish)	AM331
⊕ Particle Pollution and Your Health	AM389
Save Planet Polluto (Grades 2-7)	CE7010
⊕ Warming Trends: What global climate change could mean for Wisconsin	AM303
⊕ What's an Air Quality Watch?	AM339
Where's the Air (Poster)	IE188
Where's the Air (Poster, 30-pack)	EI7050
Where's the Air (Poster-Spanish)	CE238
XRT: eXtraordinary Road Trip (CD) (Grades 9-12)	CE7027
XRT: eXtraordinary Road Trip (Poster)	CE740
XRT: eXtraordinary Road Trip (Program Flyer)	CE7028

Drinking Water & Groundwater

⊕ Arsenic in Drinking Water	DG062
⊕ Bacteriological Contamination of Drinking Water Wells	DG003
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Groundwater and Land Use in the Water Cycle (Poster)	WR104
Groundwater-Wisconsin's Buried Treasure	DG055
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⊕ Pesticides in Drinking Water	DG007
⊕ Radium in Drinking Water	DG008
⊕ Tests for Drinking Water from Private Wells	DG023
⊕ Volatile Organic Chemicals in Drinking Water	DG009
⊕ Wellhead Protection: An ounce of prevention	DG039
⊕ You and Your Well	DG002

Endangered Resources

Adopt a Wolf Pack	ER054
Adopt an Eagle Nest	ER039
Bookmark	ER07 2001
Living with Snakes	ER084
Whooping Cranes: North America's Endangered Legacy	ER117
Wisconsin State Natural Areas Map	ER116

Birding and Nature Trail Guide Series

Lake Michigan	ER651
Lake Superior	ER640
Mississippi/Chippewa Rivers	ER642

Environmental Education

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Project WILD/Project Learning Tree/Project WET Brochure	EI5017

Fish

A Splash of Color (PreK-1)	FH756
Catch N Color (K-4)	FH735
⊕ Choose Wisely (Fish Health Advisory)	FH824
Fish As Bait (VHS Information)	FH240
Fishing Ruler	FH702
Guide to Aquatic Plants	FH173
Gone Fishin' (Sticker)	FH752
Tackle Loaner Program	FH758
Take Them Fishing! (Program Information)	FH945
⊕ Wisconsin Fish Propagation Facilities	FH110
Wisconsin Fishing Poster	FH500
Wisconsin Muskellunge Waters	RS919

Fish Fact Sheet Series

⊕ Black/White Crappie	FH712
⊕ Bluegill	FH711
⊕ Channel/Flathead Catfish	FH713
⊕ Largemouth Bass	FH709
⊕ Pumpkinseed	FH714
⊕ Yellow Perch	FH710

Forestry

10 Ways to Protect Your Woodlands ...	FR313
Are You Thinking of Building on a Wooded Lot?	FR127
Children and Wildfire	FR397
Conducting a Successful Timber Sale .	FR254
Fireworks Cause Forest Fires and More	FR181
⊕ Forests Are Fun! (PreK-2)	FR073
⊕ Forests Are Fun! (Spanish)	FR345
Forest Trees of Wisconsin (Booklet) ...	FR053
Forest Trees of Wisconsin (Poster)	FR101
In Grandpa's Woods (Poster Game) (K-2)	FR272
In the Face of Change (Managing Forest After Unplanned Disturbance)	FR233
New Tree Planting	FR184
Old Growth: Protecting and Producing Old Forest	FR293
⊕ Proper Tree Pruning	FR256
Protect Your Home from Wildfire (Poster)	FR347
Questions and Answers About Wisconsin Forests	FR147
School Forests in Wisconsin: A Report on the 1999 Survey	FR159 2001
Smokey Bear Campfire (Poster)	FR307
Wisconsin Forest Wildlife (Ecosystem) (Poster)	FR142

Invasive Species

Common & Glossy Buckthorn: Major Threats to Wisconsin Woodlands	FR216
Do Not Release Aquarium Plants and Pets (Poster)	WT841
Do Not Release Aquarium Plants and Pets (Tip Card)	WT842
Emerald Ash Borer—The Green Menace	FR348
The Facts on Eurasian Milfoil	WT781
⊕ Garlic Mustard Handout	FR350
Help Stop Aquatic Hitchhikers	WT801
Help Stop the Invasion of Wisconsin's Waters (Poster)	WT779
Hitching a Ride (Aquatic Invasive Species)	CE4014
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Out of Place: How Aquatic Exotic
Species Alter Wisconsin WT708
 Purple Loosestrife WT799
 Reed Canarygrass Control ER656
 What's Hiding in Your Firewood FR356

Parks & Recreation

Interpretive Programs in Wisconsin
State Parks PR431
 Wisconsin State Parks Visitors Guide PR002

Solid Waste & Recycling

Green School Poster CE285
 Home Composting: Reap a Heap
of Benefits WA072
 Home Composting: The Complete
Composter WA182
 Household Hazardous Waste
Reduction SW738
 Keepin' It In the Loop (Activity Guide)
(Grades K-3) CE2004
 Keepin' It In the Loop (Activity Guide)
(Grades 4-8) CE2003
 Keepin' It In the Loop (Poster)
(Grades K-3) CE2007
 Keepin' It In the Loop (Poster)
(Grades 4-8) CE2006
 Nature Recycles (Coloring Book) IE042
 Nature Recycles (Coloring Book)
(Spanish) CE999
 Nature Recycles (Poster) CE5013
 Recycling and Beyond: Fun Stuff CE2010
 Recycling Law in Wisconsin WA422
 Waste Reduction—Think it
through...it's up to you! IE206
 Wisconsin Waste Reduction and
Recycling Program WA422
 Wisconsin: Where recyclables are too
valuable to waste (Poster) WA424
 Yard Care: Do Your Share WA079

Watershed Management

Brown Water, Green Weeds WT459
 Polluted Urban Runoff: A Source
of Concern WT483
 Rain Gardens (Brochure) WT731
 Rethinking Yard Care WT526
 Water Activities to Encourage
Responsibility (Grades 4-12) WR324
 Wetland Functional Values WZ026
 Wetland Restoration Handbook for
Wisconsin Landowners SS989
 Wetland Wonderland (with Poster) WZ015
 Wisconsin Citizen Lake Monitoring
Training Manual, 2005 SS1009
 Wonderful, Wacky Water Critters WT513

Stormwater Factsheet Series

Car Care for Cleaner Water WT533
 Storm Drain Stenciling WT531
 Storm Sewers: The Rivers Beneath
Our Feet WR460

Wildlife

Butterflies of Pheasant Branch
Conservancy SS1012
 Habitat at Home CE4009
 Landowner Response to Chronic
Wasting Disease and Its Management
in Wisconsin's Southwest Disease
Eradication Zone SS1022
 Prairie Wildlife (Poster) WM398
 Rivers and Wetlands Wildlife
(Poster) WM255
 Wildlife Success Stories WM260
 Wild Turkey Ecology and Management
in Wisconsin SS955

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Visit **EEK! Environmental
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and resources such as grants, professional development, curricular resources
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To join, visit <http://dnr.wi.gov/education/newsletter/>

DNR Education Programs and Resources

Wisconsin Department of Natural Resources offers many exciting programs and resources for teacher training and classroom instruction.

Air Defenders: The Quest for Clean Air

Want to be a hero? Use this multi-media, multidisciplinary training kit to deputize children (grades 4-7) and train them for their mission – to help clean the air and protect community health. As Air Defenders, they'll learn about open burning and respiratory health through science, health, and music-based lessons.

Visit us at: <http://www.airdefenders.org>
or contact: DNRAirEducation@wisconsin.gov

Angler Education

Help kids learn about their Wisconsin fishing heritage and how to protect the waters that sustain it. A one-day workshop provides training, materials and access to fishing gear. Materials are aligned to State Academic Standards and appropriate for use in cross-disciplinary classroom settings as well as after-school clubs and youth development programs. Look for us at teachers' conventions or contact our office to schedule a volunteer training workshop in your community.

Visit us at: <http://dnr.wi.gov/fish/kidsparents/anglereducation/index.html>

Arbor Day Statewide Contests (for 4th & 5th grade students)

The Forestry Division and partners sponsor an annual Arbor Day Poster Contest for 5th Graders and an annual Forest Appreciation Writing Contest for 4th Graders. The contests change themes annually. Curriculum packets are sent to teachers statewide and selected artwork and essays appear in an annual Arbor-Day Earth Day Calendar.

Visit us at: <http://dnr.wi.gov/forestry/UF/awareness/>
or contact: laura.wyatt@wisconsin.gov for the poster contest and genny.fannucchi@wisconsin.gov for the writing contest

Education and Training

Visit this DNR Web page and find: Programs for Kids, Activities and Projects, Places to Go and Learn, Publications, Outdoor Skills and Safety Education, and Adult Education and Training topics. It's also a great place to find ideas for Service Learning Projects.

Visit us at: <http://dnr.wi.gov/education/>

EEK!—Environmental Education for Kids

Surf around this electronic magazine for kids to learn more about nature, environmental issues, and careers in natural resources. It's a great homework helper.

Visit us at: <http://dnr.wi.gov/eeek/>
or contact: carrie.morgan@wisconsin.gov



Forest Forever ParkPacks

These mobile resource kits teach middle-school kids about sustainable forestry while sharpening their investigative skills and encouraging critical thinking processes. ParkPack lesson plans and activities are correlated with Wisconsin Academic Standards. Each teacher pack contains enough equipment including field guides, magnifiers and clipboards for 30 students.

Visit us at: <http://dnr.wi.gov/eeek/teacher/parkpack.htm>
or contact: sherry.klosiewski@wisconsin.gov

Great Lakes ParkPacks

These mobile resource kits are located at state parks and forests along Lake Michigan and Lake Superior. The four packs address themes of: Glacial Gifts; Mysteries; Survival; and Challenges. They include activities, books, and other materials.

Visit us at: <http://dnr.wi.gov/eeek/teacher/parkpack.htm>
or contact: sherry.klosiewski@wisconsin.gov

Green & Healthy Schools

Schools that strive to be healthy, safe and environmental models in their communities can become official Green & Healthy Schools. In this program, students and staff conduct a comprehensive assessment, discover existing healthy, safe and environmental practices, and uncover areas for improvement. They then work together to improve their school's performance, enhance curriculum, and provide better community service.

Visit us at: <http://dnr.wi.gov/greenandhealthyschools/>
or contact: DNRG&HSchools@wisconsin.gov

Milkweed Monitoring

Check out DNR's Milkweed Monitoring pages on EEK! Students can learn to find air pollution by studying Common Milkweed leaves.

Find out more and download a free teacher training kit at:
<http://dnr.wi.gov/eeek/teacher/milkweed.htm>
or contact: DNRAirEducation@wisconsin.gov

LEAF (Learning Experiences & Activities in Forestry)

This DNR/WCEE (UW-Stevens Point) K-12 environmental education program connects formal and non-formal Wisconsin educators with forestry education materials through teacher training, K-12 Forestry Education Lesson Guides, and the distribution of existing materials.

Visit us at: <http://www.uwsp.edu/cnr/leaf>
or contact: leaf@uwsp.edu

Purple Loosestrife Biocontrol Program

Get involved in loosestrife control efforts! "See Cella Chow!" is a program to rear and release biological control insects and is a great way to effectively teach about plants, insects, and invasive species. The classroom teaching activities center on the biological control process. Topics range from a host-plant specificity experiment to an invasive plant art project.

Download this free guide at:

http://dnr.wi.gov/org/es/science/publications/ss981_2003.htm.

or contact: brock.woods@wisconsin.gov

Recreational Safety Programs

The Bureau of Law Enforcement currently has four programs that can be taught in schools: Boating Safety, Snowmobile Safety, ATV Safety and Hunter Safety. Many of the school systems in the state already teach these, and DNR supplies the student and instructor materials along with lesson plans. Instructors must be certified by the department, and there is a small fee required for each class.

Contact: **608-266-2142** or
julie.fitzgerald@wisconsin.gov

School Forest Program

School forests are exceptional outdoor environmental education sites. Nearly 200 school districts have a school forest. DNR foresters provide resource management assistance and the state school forest education specialist helps schools use these sites for education.

Visit us at: <http://www.uwsp.edu/cnr/leaf/schoolforest/>

Snakes of Wisconsin, Amphibians of Wisconsin, and Turtles & Lizards of Wisconsin

This series of three full-color guides covers all the amphibians and reptiles of the state. They include range maps, species status, and species information. Cost: Donations of \$3 for Snakes, \$4 for Amphibians, \$4 for Turtles & Lizards and \$10 for a set of three. Make checks out to "Bureau of Endangered Resources" and note in the memo line "Herps Gift Account." Mail your order and check to BER, P. O. Box 7921, Madison, WI 53707, or call (608) 266-7012.

State Park and Forest Interpretive Programs

Educators or other property staff provide on- or off-site educational programs for K-12 students. Programs may include guided hikes, hands-on activities, and property tours. Some properties provide field trip guides to assist educators in planning their own educational activities on the property.

Visit us at: <http://dnr.wi.gov/org/land/parks/interp/index.html>

or contact: sherry.klosiewski@wisconsin.gov



Teachers' Guide to Wisconsin State Parks and Forests

Teachers and students can see, touch, hear, and discover the richness of Wisconsin's natural and cultural heritage at many state parks and forests. This online guide lists over 100 field trips that are correlated to Wisconsin's Model Academic Standards. Teachers will also find the information they need to select a topic, register for a field trip, and reserve additional teaching resources.

Visit us at: <http://dnr.wi.gov/org/land/parks/interp/school/index.html>

or contact: sherry.klosiewski@wisconsin.gov

Water Action Volunteers (WAV)

This action program focuses on stream and river education oriented to outdoor experiences. The materials are self directed and include storm drain stenciling, river clean-up programs, and volunteer stream/river monitoring.

Visit us at: <http://clean-water.uwex.edu/wav/>

or contact: kris.stepenuck@wisconsin.gov

Where's the Air? Kit

Download your FREE copy of DNR's Where's the Air? teachers' activity guide. Students learn how air pollution forms and how human behavior affects the quality of the air. And don't forget to order your free Where's the Air? poster (also available in Spanish) on the front of this form.

Visit us at: <http://dnr.wi.gov/eeek/teacher/wtair.htm>

or contact: DNRAirEducation@wisconsin.gov

Wild and Forever Free Video

Listen and watch as DNR wildlife biologists and partners tell the unique story of Wisconsin's wild animals and wild places and how they protect and manage these rich, natural heirlooms. Appropriate for grades 6–12.

Visit us at: marykay.salwey@wisconsin.gov

Wisconsin Groundwater Study Guide

The updated Groundwater Study Guide booklet contains thirteen groundwater exercises for students in grades 6–9, plus introductory

information, student worksheets, a glossary, other groundwater activity ideas, and a groundwater education resource list. Activities are correlated to DPI Wisconsin Model Academic Standards.

The booklet and activity sheets can be downloaded at dnr.wi.gov/eeek/teacher/groundwaterguide.htm.

To receive a folder containing the Groundwater Study Guide and other groundwater materials, contact Laura Chern at (608) 266-0126 or laura.chern@wisconsin.gov.

XRT: eXtraordinary Road Trip

eXtraordinary Road Trip: Start your computers and let the adventure begin! XRT: eXtraordinary Road Trip educational computer program enriches high school science, social studies, and driver's education classrooms about transportation and air quality. This great program will liven up any classroom!

Log on to: www.eXtraordinaryRoadTrip.org

or contact: DNRAirEducation@wisconsin.gov

Project Learning Tree, Project WET, and Project WILD

Materials and training are provided at professional development workshops and address current Teacher Standards. Participants will develop new skills, learn how to adapt activities to their curriculum, explore literature and technology connections, and share expertise with colleagues. Materials meet state academic standards.

Workshops for all programs are being scheduled continuously; check the schedule online at: <http://dnr.wi.gov/education/pltwildwet/>.

To get more information on the following programs or to host a group workshop at your location, contact: dnrpltwildwet@wisconsin.gov or call (608) 264-6280.



Project Learning Tree (PLT)

This national, award-winning environmental education program uses the forest as a "window" to study the natural and built environment. PLT's creative supplemental teaching activities are interdisciplinary with PreK–8 teaching activities and in-depth secondary modules.

• PLT PreK–8 Activity Guide

Can't see the forest for the trees? Project Learning Tree uses the forest as a "window on the world" to increase student understanding of our complex natural and built world. Over 95 learner-centered activities are compatible with instruction in science, social studies, language arts, environmental science, and mathematics. Each activity features a children's literature bibliography and is correlated to the Wisconsin Model Academic Standards.

• PLT for Seedlings

With these fun, interdisciplinary activities, children become nature detectives, dance with a tree, and take a simulated walk through a forest—complete with the sounds of the animals that live there. The activity guide and CD feature guided outdoor explorations; animal voices, dances, stories, and simulations; an annotated bibliography; art; assessments; and a topic-related snack. Correlated to the Wisconsin Model Early Learning Standards. Registry credits are available.

• PLT Secondary Modules

Bring real-life issues into the classroom with these hands-on/minds-on modules covering waste generation and disposal, environmental justice, forest ecology, and the relationship between environmental health and human health. Students will objectively examine the issues, collect and analyze data, and become involved in decision making experiences relevant to their communities. These interdisciplinary modules incorporate science, social studies, math, geography, and language arts. Modules are correlated to the Wisconsin Model Academic Standards. PLT-trained educators may purchase these guides from the state office.

Project WET K-12 Activity Guide

Protection of Wisconsin's water resources is crucial for healthy people, healthy economies, and a healthy environment. Project WET uses over 90 hands-on, fun activities to promote water systems, quality and quantity, water management and stewardship, as well as the historical, societal, and cultural connections between water, people, and communities.

Project WILD & Aquatic WILD K–12 Activity Guides

Kids love wildlife and that's why teachers and nonformal educators love this exciting conservation and environmental education program. Over 150 activities designed to develop awareness, knowledge, skills and commitment to result in informed decisions, responsible behavior, and constructive actions concerning aquatic and terrestrial wildlife and the environments they depend upon. Activities emphasize hands-on, inquiry-based, and cooperative learning. Project WILD also offers a secondary Science & Civics guide and service learning ideas that involve students in environmental action projects on school grounds and in the community.

For more information on these and other programs go to: <http://dnr.wi.gov/education/>

This publication is available upon request in alternate formats for visually impaired persons. Please contact (608) 266-6790 to request an alternate format. The Wisconsin Department of Natural Resources provides equal opportunity in its employment, programs, services and functions under an Affirmative Action Plan. If you have any questions, please write to: Equal Opportunity Office, U.S. Department of the Interior, Washington, D.C. 20240



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